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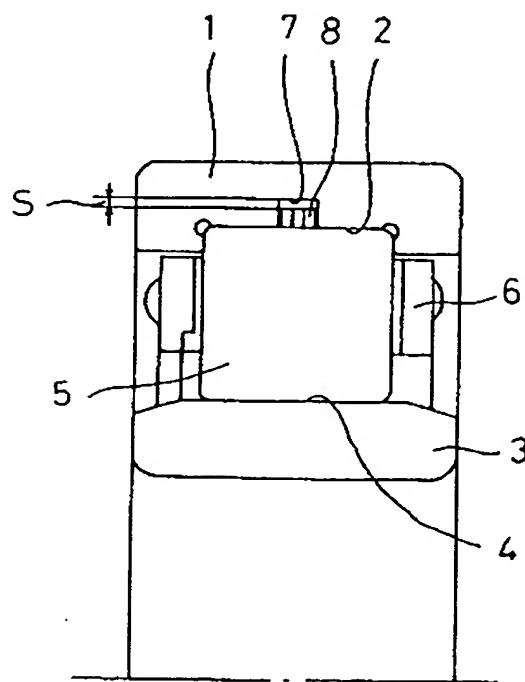
APPLICATION DATE : 23-10-85
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APPLICANT : KOYO SEIKO CO LTD;

INVENTOR : MIKI TOSHIO;

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TITLE : CYLINDRICAL ROLLER BEARING



ABSTRACT : PURPOSE: To reduce delay in rotation of a cylindrical roller on its own axis, from the rotation of this roller around the axis of a bearing, so as to prevent that a creak noise is generated, by always pre-loading the cylindrical roller inwardly in the radial direction, by an elastic ring.

CONSTITUTION: A circumferential groove 7 is formed at almost the center of an outer ring raceway surface 2, and a cylindrical roller 5 is pressed against an inner ring raceway surface 4, by pre-loading the cylindrical roller 5 arranged between the outer ring raceway surface 2 and the inner ring raceway surface 4, inwardly in the radial direction, through loosely fitting an elastic ring 8 in said groove 7. The inside diameter of the elastic ring 8 is shorter than the diameter of the outer ring raceway 2, and this ring 8 can be extended and contracted in its diameter.

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